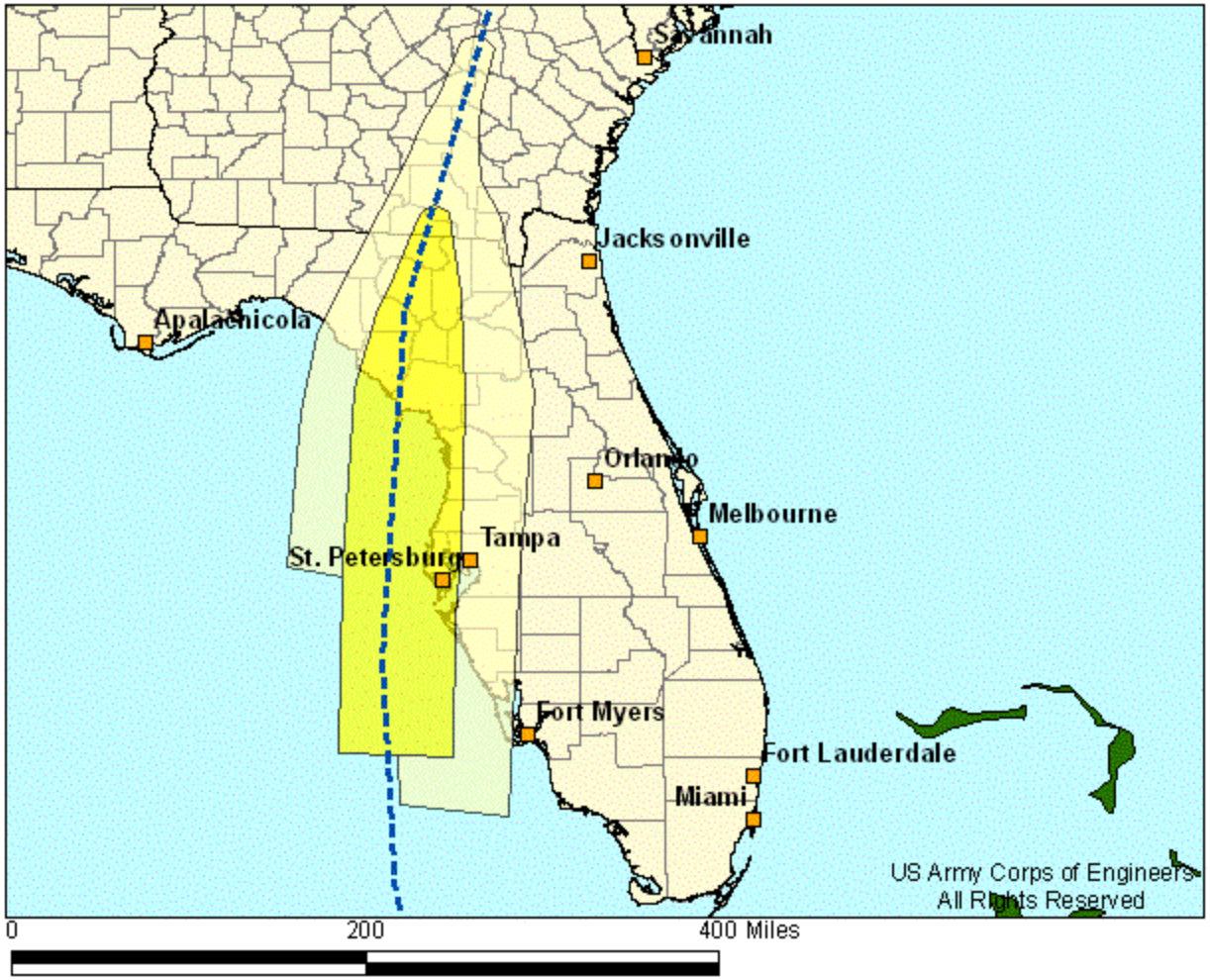
US Army Corps of Engineers

Hurricane Fay Projected Damage Areas

Landfall Expected In About 60 Hours

For Planning Purposes Only!



Post Landfall Projected Damage Areas

This model is based on a Category 1 storm making landfall in Big Bend FL area.

Forecast Track

Projected Damage Areas

- CAT 0-type damage
- CAT 1-type damage
- CAT 2-type damage
- CAT 3-type damage
- CAT 4-type damage
- CAT 5-type damage

Information provided on this page displays a Category 1 storm making landfall in Big Bend FL area. These projections are based on information from the NHC (1700 EDT 08/17/2008) forecast.

Details about this model may be obtained at http://www.englink.usace.army.mil or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

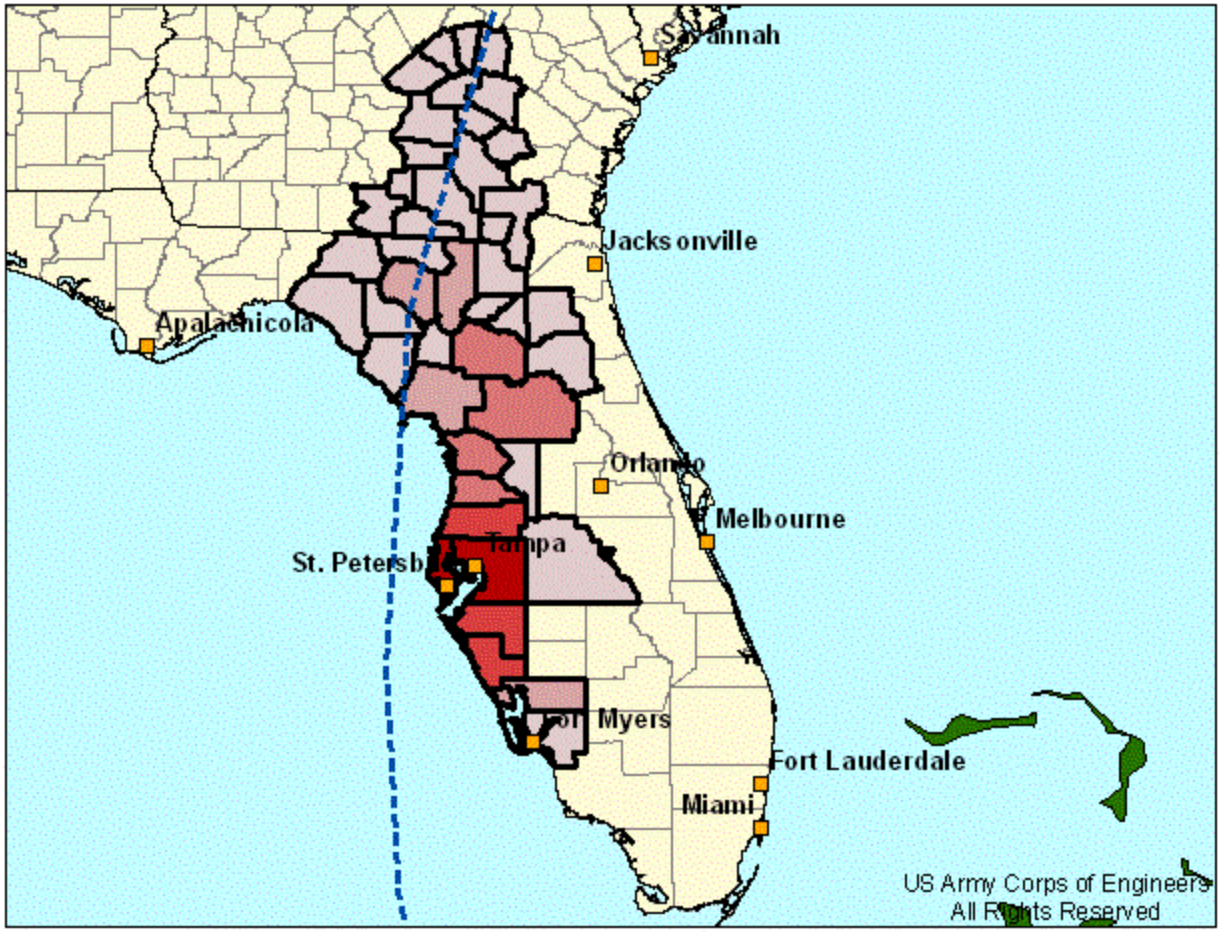
Hurricane Fay Projected Damage Areas	
Generated By: Siemsen, LRL 1730 EDT 08/17/2008	
Sources: HURREVAC LRL-DEBRIS	Page 1 of 13

US Army Corps of Engineers

Hurricane Fay Debris Model

Landfall Expected In About **60** Hours

For Planning Purposes Only!



Post Landfall Debris Model Results

Florida - 8,472,000 Yards
Georgia - 187,000 Yards

Model results per County on following page

This model is based on a Category 1 storm making landfall in Big Bend FL area.

Forecast Track

Debris

- < 100,000 cubic yards
- 100,000 - 249,999 cubic yards
- 250,000 - 499,999 cubic yards
- 500,000 - 999,999 cubic yards
- >1,000,000 cubic yards

Information provided on this page displays a Category 1 storm making landfall in Big Bend FL area. These projections are based on information from the NHC (1700 EDT 08/17/2008) forecast. The amount of debris forecasted is possible total volume, not necessarily the volume that may need to be removed with Federal funds, but does not include volume that may be covered by private insurance. Debris volume may include storm surge generated debris.

Details about this model may be obtained at http://www.englink.usace.army.mil
or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

Hurricane Fay Debris Model	
Generated By: Siemsen, LRL 1730 EDT 08/17/2008	
Sources: HURREVAC LRL-DEBRIS	Page 2 of 13

US Army Corps of Engineers

Hurricane Fay Debris Model

Landfall Expected In About 60 Hours

For Planning Purposes Only!

State	Yards per State	County	Yards per County
Florida		Alachua	366,000
		Baker	23,000
		Bradford	23,000
		Charlotte	104,000
		Citrus	255,000
		Clay	< 1,000
		Columbia	170,000
		Dixie	60,000
		Gilchrist	38,000
		Hamilton	33,000
		Hernando	328,000
		Hillsborough	1,452,000
		Lafayette	26,000
		Lee	12,000
		Levy	142,000
		Madison	12,000
		Manatee	620,000
		Marion	495,000
		Pasco	991,000
		Pinellas	2,521,000
		Polk	12,000
		Putnam	6,000
		Sarasota	573,000
		Sumter	71,000
		Suwannee	104,000
		Taylor	22,000
		Union	13,000
Florida	8,472,000		
Georgia		Appling	11,000
		Atkinson	10,000
		Bacon	11,000
(continued)		Charlton	6,000
		Clinch	21,000
		Coffee	31,000
		Echols	13,000
		Jeff Davis	16,000
		Lanier	5,000
		Lowndes	13,000
		Montgomery	5,000
		Pierce	< 1,000
		Telfair	< 1,000
		Toombs	22,000
		Ware	23,000
		Wheeler	< 1,000
Georgia	187,000		

The amount of debris forecasted is possible total volume, not necessarily the volume that may need to be removed with Federal funds, but does not include volume that may be covered by private insurance. Debris volume may include storm surge generated debris.

Details about this model may be obtained at http://www.englink.usace.army.mil or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

Source: US Army Corps of Engineers, All Rights Reserved

Hurricane Fay Debris Model

Generated By:
Siemsen, LRL 1730 EDT 08/17/2008

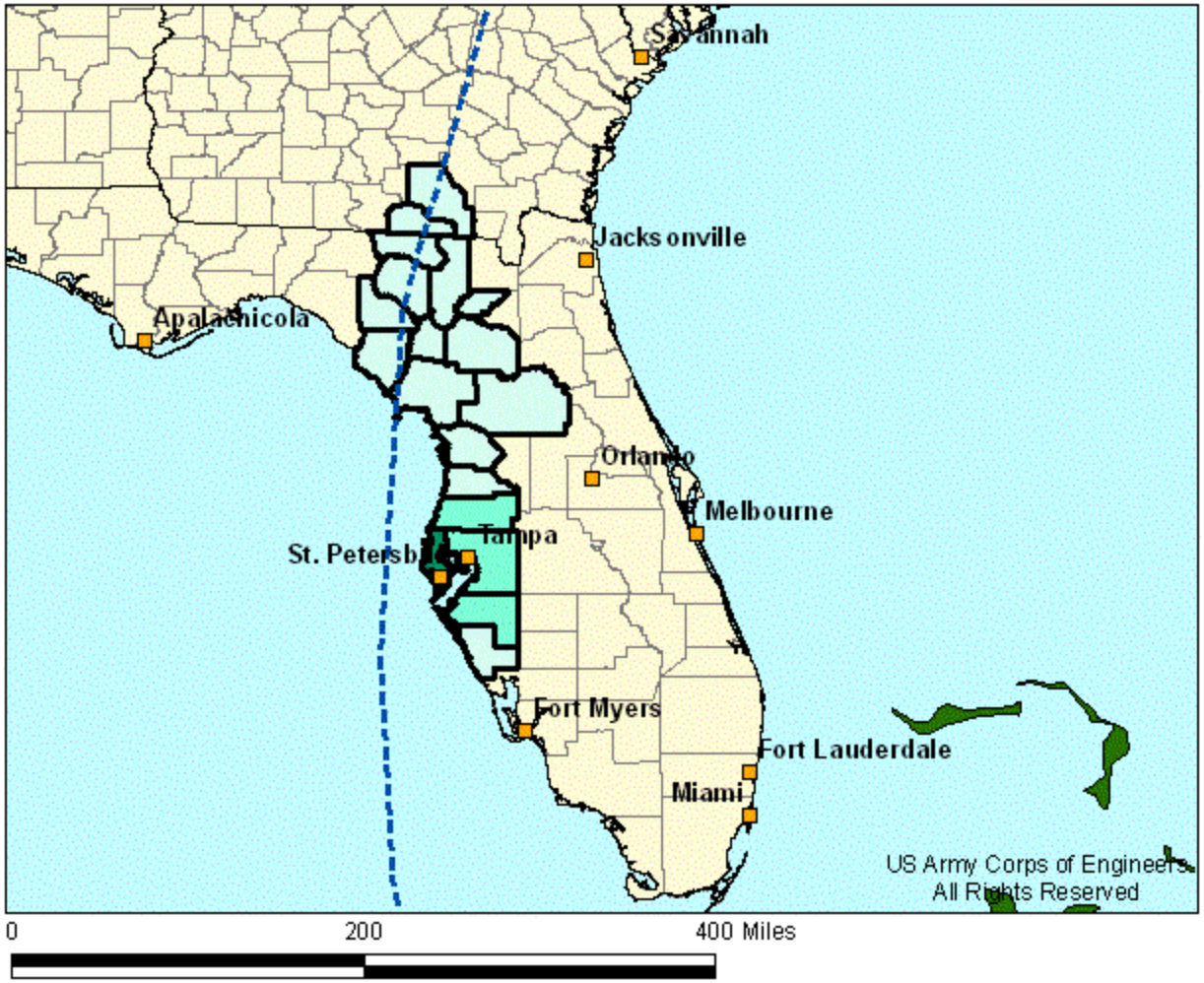
Sources:
HURREVAC
LRL-DEBRIS

US Army Corps of Engineers

Hurricane Fay Commodities Model

Landfall Expected In About **60** Hours

For Planning Purposes Only!



Post Landfall Water Model Results

Day One / Day Two / Day Three
Florida - 67 Truckloads
Georgia - 2 Truckloads

Model results per County on following page

This model is based on a Category 1 storm making landfall in Big Bend FL area.

Forecast Track

Commodities

- < 5 Trucks Each
- 5 - 10 Trucks Each
- 11 - 20 Trucks Each
- 21 - 40 Trucks Each
- > 40 Trucks Each

Information provided on this page displays a Category 1 storm making landfall in Big Bend FL area. These projections are based on information from the NHC ***(1700 EDT 08/17/2008)*** forecast. The amount of commodities forecasted is based on Mission Guide Book requirements and SME input. The graphic represents single day needs with full distribution system in place and operating.

Details about this model may be obtained at http://www.englink.usace.army.mil
or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

Hurricane Fay Commodities Model	
Generated By: Siemsen, LRL 1730 EDT 08/17/2008	
Sources: HURREVAC LRL-DEBRIS	

US Army Corps of Engineers

Hurricane Fay Commodities Model

Landfall Expected In About **60** Hours

For Planning Purposes Only!

State	Truckloads per State	County	Truckloads per County
Florida		Alachua	1
		Citrus	2
		Columbia	4
		Dixie	1
		Gilchrist	1
		Hamilton	1
		Hernando	4
		Hillsborough	7
		Lafayette	1
		Levy	2
		Manatee	6
		Marion	1
		Pasco	10
		Pinellas	22
		Sarasota	1
		Suwannee	2
		Union	1
Florida	67		
Georgia		Clinch	1
		Echols	1
Georgia	2		

The amount of commodities forecasted is based on Mission Guide Book requirements and SME input and the above table indicates suggested needs based on phased deployment of a commodities distribution system.

Details about this model may be obtained at http://www.englink.usace.army.mil
or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

Source: US Army Corps of Engineers, All Rights Reserved

Hurricane Fay Commodities Model

Generated By:
Siemsen, LRL 1730 EDT 08/17/2008

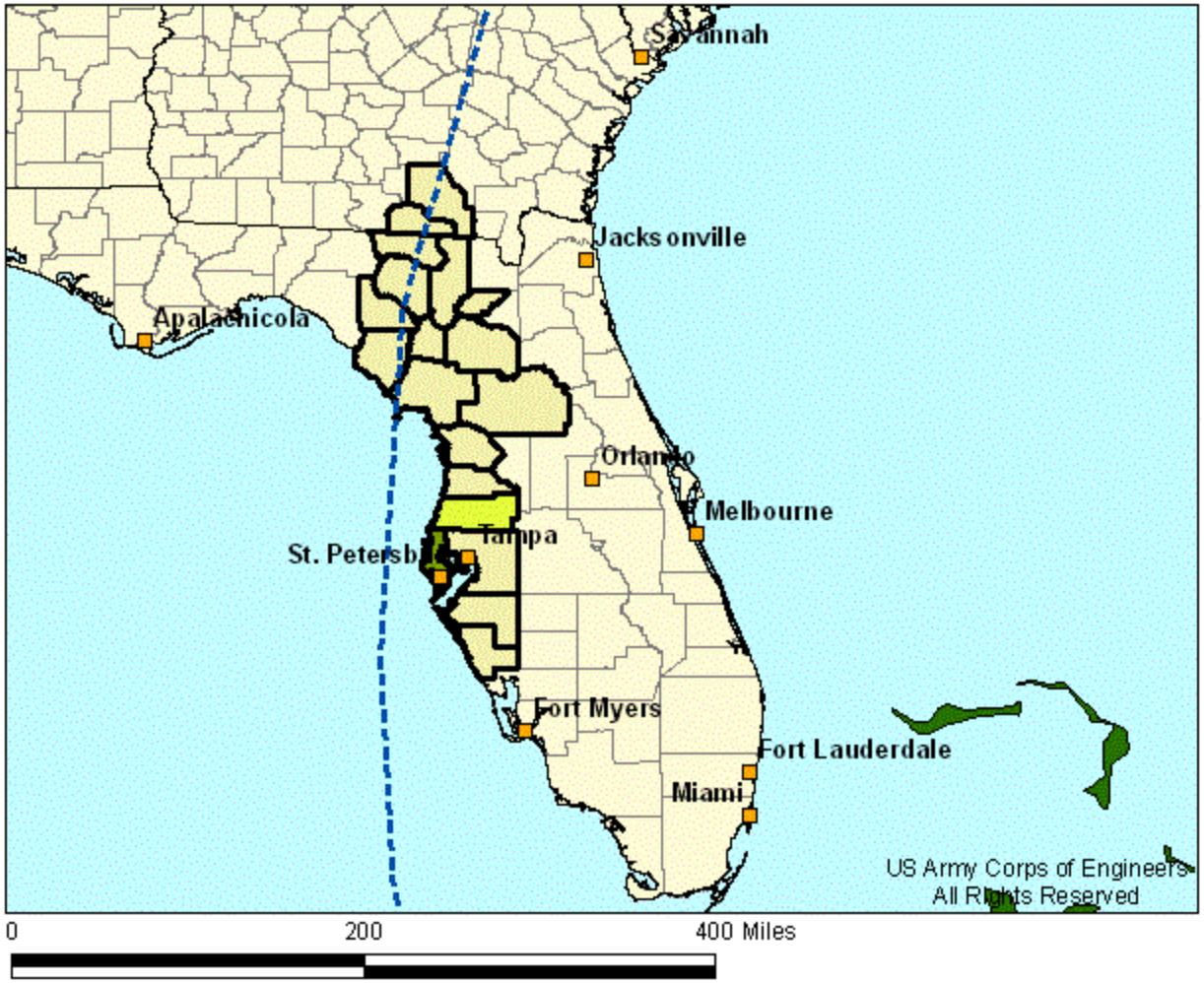
Sources:
HURREVAC
LRL-DEBRIS

US Army Corps of Engineers

Hurricane Fay Temporary Roofing Model

Landfall Expected In About 60 Hours

For Planning Purposes Only!



Post Landfall Temporary Roofing Model Results

Florida - 19,100

Model results per County on following page

This model is based on a Category 1 storm making landfall in Big Bend FL area.

Forecast Track

Temporary Roofing

- < 2,000 units
- 2,000 - 3,999 units
- 4,000 - 5,999 units
- 6,000 - 9,999 units
- > 10,000 units

Information provided on this page displays a Category 1 storm making landfall in Big Bend FL area. These projections are based on information from the NHC (1700 EDT 08/17/2008) forecast. Temporary roofing is based on 3% in CAT 1.

Details about this model may be obtained at http://www.englinkusace.army.mil
or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

Hurricane Fay Roofing Model	
Generated By: Siemsen, LRL 1730 EDT 08/17/2008	
Sources: HURREVAC LRL-DEBRIS	

US Army Corps of Engineers

Hurricane Fay Temporary Roofing Model

Landfall Expected In About 60 Hours

For Planning Purposes Only!

State	House Units per State	County	House Units per County
Florida		Alachua	200
		Citrus	500
		Columbia	700
		Dixie	200
		Gilchrist	200
		Hamilton	< 100
		Hernando	1,100
		Hillsborough	1,500
		Lafayette	< 100
		Levy	400
		Manatee	1,500
		Marion	< 100
		Pasco	3,000
		Pinellas	9,400
		Sarasota	< 100
		Suwannee	400
		Union	< 100
Florida	19,100		
Georgia		Clinch	< 100
		Echols	< 100
Georgia			

Temporary roofing is based on 3% in CAT 1.

Details about this model may be obtained at http://www.englink.usace.army.mil
or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

Source: US Army Corps of Engineers, All Rights Reserved

Hurricane Fay Roofing Model

Generated By:
Siemsen, LRL 1730 EDT 08/17/2008

Sources:
HURREVAC
LRL-DEBRIS

US Army Corps of Engineers

Hurricane Fay Temporary Housing Model

Landfall Expected In About **60** Hours

For Planning Purposes Only!

Post Landfall Temporary Housing Model Results

None Expected

Model results per County on following page

This model is based on a Category 1 storm making landfall in Big Bend FL area.

Forecast Track

Temporary Housing

- < 2,000 units
- 2,000 - 3,999 units
- 4,000 - 5,999 units
- 6,000 - 9,999 units
- > 10,000 units

Information provided on this page displays a Category 1 storm making landfall in Big Bend FL area. These projections are based on information from the NHC (1700 EDT 08/17/2008) forecast. Temporary housing is based on nothing.

Details about this model may be obtained at http://www.englink.usace.army.mil or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

Hurricane Fay Housing Model	
Generated By: Siemsen, LRL 1730 EDT 08/17/2008	
Sources: HURREVAC LRL-DEBRIS	Page 8 of 13

US Army Corps of Engineers

Hurricane Fay Temporary Housing Model

Landfall Expected In About 60 Hours

For Planning Purposes Only!

State	House Units per State	County	House Units per County

Temporary housing is based on nothing.

Details about this model may be obtained at http://www.englink.usace.army.mil
or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

Source: US Army Corps of Engineers, All Rights Reserved

Hurricane Fay Housing Model

Generated By:
Siemsen, LRL 1730 EDT 08/17/2008

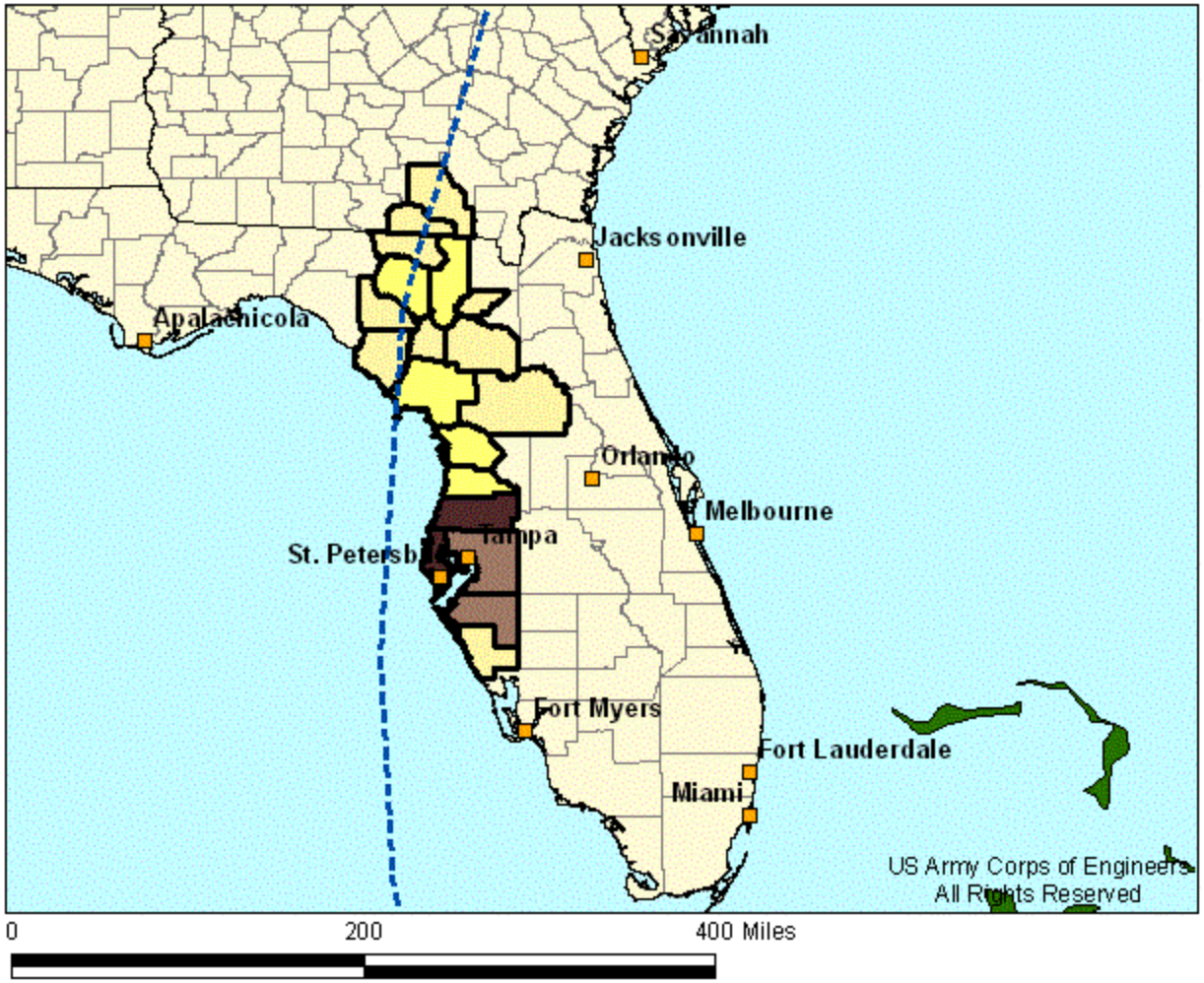
Sources:
HURREVAC
LRL-DEBRIS

US Army Corps of Engineers

Hurricane Fay Population Model

Landfall Expected In About **60** Hours

For Planning Purposes Only!



Post Landfall Population Model Results

Florida - 1,748,000

Model results per County on following page

This model is based on a Category 1 storm making landfall in Big Bend FL area.

Forecast Track

Population

- < 25,000 persons
- 25,000 - 99,999 persons
- 100,000 - 174,999 persons
- 175,000 - 249,999 persons
- > 250,000 persons

Information provided on this page displays a Category 1 storm making landfall in Big Bend FL area. These projections are based on information from the NHC (1700 EDT 08/17/2008) forecast. The numbers of persons included in this model output are those that would be included within estimated hurricane force winds (Census 2000 values adjusted to July 2007 values).

Details about this model may be obtained at http://www.englinkusace.army.mil or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

Hurricane Fay Population Model	
Generated By: Siemsen, LRL 1730 EDT 08/17/2008	
Sources: HURREVAC LRL-DEBRIS	Page 10 of 13

US Army Corps of Engineers

Hurricane Fay Population Model

Landfall Expected In About **60** Hours

For Planning Purposes Only!

State	Population per State	County	Population per County
Florida		Alachua	18,000
		Citrus	39,000
		Columbia	62,000
		Dixie	15,000
		Gilchrist	18,000
		Hamilton	9,000
		Hernando	76,000
		Hillsborough	121,000
		Lafayette	4,000
		Levy	29,000
		Manatee	105,000
		Marion	2,000
		Pasco	293,000
		Pinellas	918,000
		Sarasota	6,000
		Suwannee	33,000
		Union	< 1,000
Florida	1,748,000		
Georgia		Clinch	< 1,000
		Echols	< 1,000
Georgia			

The number of persons estimated to be within the hurricane force winds comes from Census 2000 values adjusted to July 2007 values.

Details about this model may be obtained at http://www.englink.usace.army.mil
or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

Source: US Army Corps of Engineers, All Rights Reserved

Hurricane Fay Population Model

Generated By:
Siemsen, LRL 1730 EDT 08/17/2008

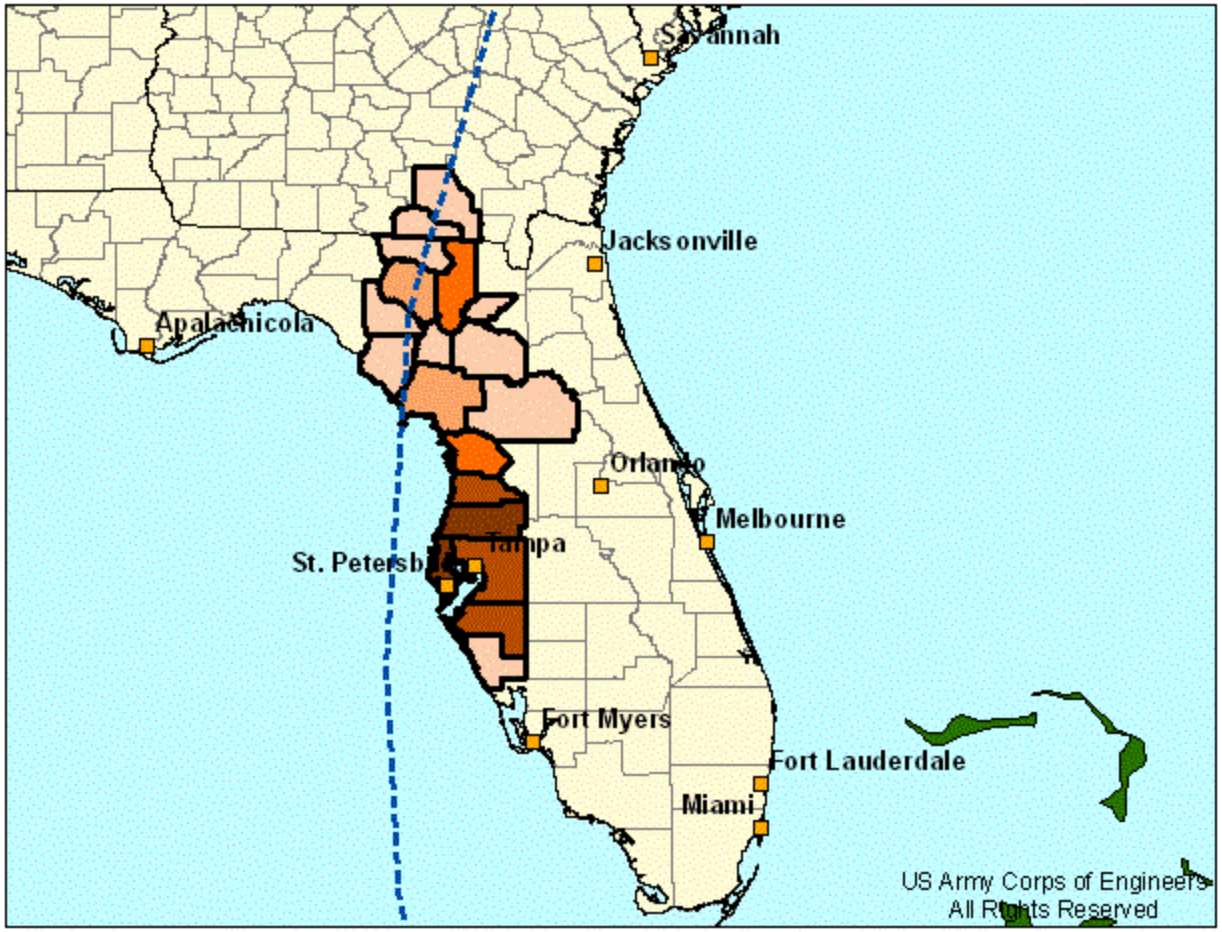
Sources:
HURREVAC
LRL-DEBRIS

US Army Corps of Engineers

Hurricane Fay Households Model

Landfall Expected In About **60** Hours

For Planning Purposes Only!



Post Landfall Households Model Results

Florida - 767,000

Model results per County on following page

This model is based on a Category 1 storm making landfall in Big Bend FL area.

Forecast Track

Households

- < 7,500 households
- 7,500 - 14,999 households
- 15,000 - 24,999 households
- 25,000 - 49,999 households
- > 50000 households

Information provided on this page displays a Category 1 storm making landfall in Big Bend FL area. These projections are based on information from the NHC (1700 EDT 08/17/2008) forecast. The numbers of households included in this model output are those that would be included within estimated hurricane force winds (Census 2000 values adjusted to July 2007 values).

Details about this model may be obtained at http://www.englinkusace.army.mil or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

Hurricane Fay Households Model	
Generated By: Siemsen, LRL 1730 EDT 08/17/2008	
Sources: HURREVAC LRL-DEBRIS	

US Army Corps of Engineers

Hurricane Fay Households Model

Landfall Expected In About **60** Hours

For Planning Purposes Only!

State	Households per State	County	Households per County
Florida		Alachua	7,000
		Citrus	17,000
		Columbia	24,000
		Dixie	6,000
		Gilchrist	6,000
		Hamilton	3,000
		Hernando	34,000
		Hillsborough	47,000
		Lafayette	2,000
		Levy	12,000
		Manatee	48,000
		Marion	< 1,000
		Pasco	131,000
		Pinellas	414,000
		Sarasota	3,000
		Suwannee	13,000
		Union	< 1,000
Florida	767,000		
Georgia		Clinch	< 1,000
		Echols	< 1,000
Georgia			

The number of households estimated to be within the hurricane force winds comes from Census 2000 values adjusted to July 2007 values.

Details about this model may be obtained at http://www.enqlink.usace.army.mil
or contact Louisville District staff at DLL-CELRL-GIS@usace.army.mil

Source: US Army Corps of Engineers, All Rights Reserved

Hurricane Fay Households Model

Generated By:
Siemsen, LRL 1730 EDT 08/17/2008

Sources:
HURREVAC
LRL-DEBRIS